

10/588140

IAP5 Rec'd PCT/PTO 31 JUL 2006

SHEET 1 OF 1

<b>SUBSTITUTE FORM PTO-1449</b> U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  <b>INFORMATION DISCLOSURE CITATION</b>	ATTY. DOCKET NO. <b>44352-0010-00-US</b>	INTERNATIONAL SERIAL NO. <b>PCT/KR2005/000234</b>
	FILING DATE —	U.S. SERIAL NO. <b>Not Yet Assigned</b>
	APPLICANT(S): <b>Do-Man KIM, et al.</b>	
	INTERNATIONAL FILING DATE: <b>January 27, 2005</b>	GROUP ART UNIT: <b>Not Yet Assigned</b>

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
C.F.	AA	WO 2003/018790 A1	03/06/2003	WO				
↓	AB	WO 2001/066570 a1	09/13/2001	WO				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

C.F.	AC	KIM, D. M., et al., "Characterization of a novel carbohydrase from <i>Lipomyces starkeyi</i> KSM22 for dental application", In: J. Microbiol. Biotechnol., 1999, Vol. 9(3), pp. 260-264
↓	AD	RYU, S. J., et al., "Purification and partial characterization of a novel glucanhydrolase from <i>Lipomyces starkeyi</i> KSM22 and its use for inhibition of insoluble glucan formation", In: Biosci. Biotechnol. Biochem., 2000, Vol. 64(2), pp. 223-228

EXAMINER  /Christian Fronda/	DATE CONSIDERED  11/20/2007
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Sheet 1 of 1

<b>SUBSTITUTE FORM PTO-1449</b> U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  <b>INFORMATION DISCLOSURE STATEMENT</b>	<b>ATTY. DOCKET NO.</b> 44352-0010-00-US	<b>APPLICATION NO.</b> 10/588,140
	<b>APPLICANT:</b> Do-Man Kim et al.	
	<b>FILING DATE</b> July 31, 2006	<b>GROUP ART UNIT</b> 1632

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
C.F.	AA	6,485,953	11/26/2002	Kim et al.	435	202	
↓	AB	5,741,773	04/21/1998	Zhang et al.	514	8	
	AC	5,229,277	07/20/1993	Day et al.	435	103	

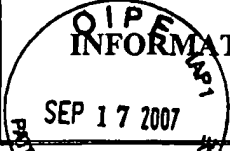
**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	NO
C.F.	AD	1020010006792 A	01/26/2001	Korea			Abstract only	
↓	AE	1020030022428 A	03/17/2003	Korea			Abstract only	

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

C.F.	AF	KANG, K. H., et al., "Cloning and expression of Lipomyces starkeyi alpha-amylase in Escherichia coli and determination of some of its properties", In: FEMS Microbiol. Lett., April 2004, Vol. 233(1), pp. 53-64

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### FOREIGN PATENT DOCUMENTS


		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

C.F.	AA	NCBI Database Accession No. AY520537, GI 46371988 (published on January 7, 2004)
↓	AB	NCBI Database Accession No. AAS90631, GI 46371989 (published on January 7, 2004)

<b>EXAMINER</b>	/Christian Fronda/	<b>DATE CONSIDERED</b>	11/20/2007
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
C.F.	AA 6,485,953	11/2002	Kim et al.	435	202	
↓	AB 5,643,758	07/1997	Guan et al.	435	69.7	
	AC 2007/0077212 A1	04/05/2007	Kim et al.	424	50	

### FOREIGN PATENT DOCUMENTS

DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	NO

### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

C.F.	AD	Chica et al., <i>Curr. Opin. Biotechnol.</i> , 2005 Aug; 16(4): 378-84.
	AE	Witkowski et al., <i>Biochemistry</i> , 1999 Sep 7; 38(36): 11643-50.
	AF	Seffernick et al., <i>J. Bacteriol.</i> , 2001 Apr; 183(8): 2405-10.
	AG	Steyn et al., <i>Gene</i> , 1995 Dec 1; 166(1): 65-71.
	AH	Standing, <i>Curr. Opin. Struct. Biol.</i> , 2003 oct; 13(5): 595-601.
	AI	Sambrook et al., <i>Molecular Cloning A Laboratory Manual</i> , 2 <sup>nd</sup> edition, Cold Spring Harbor, N.Y., 1989, pages 8.46-8.52 and pages 11.2-11.19.
	AJ	Kim et al., <i>J. Microbiol. Biotechnol.</i> , 1999; 9(3): 260-264.
	AK	Attwood, <i>Science</i> , 2000 Oct 20; 290: 471-473.
↓	AL	Andries J.C. Steyn et al., "Cloning, sequence analysis and expression in yeasts of a cDNA containing a <i>Lipomyces kononenkoae</i> alpha-amylase-encoding gene", <i>GENE</i> , 1995, 166(1): 65-71.
	AM	Andries J.C. Steyn et al., "Cloning, mapping and characterization of a genomic copy of the <i>Lipomyces kononenkoae</i> alpha-amylase-encoding gene (LKA1)", <i>YEAST</i> , 1996, 12(10): 925-937.

<b>EXAMINER</b> /Christian Fronda/	<b>DATE CONSIDERED</b> 12/12/2007
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